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## EUROPEAN PATENT APPLICATION

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54 **Air bearing surface of head core slider, and method of manufacturing it.**

57 The present invention discloses texturing of the slider air bearing surfaces (18a, 18b) of the magnetic heads in disk drives to reduce striction that retards take-off and displaces critical lubricant in a magnetic head system. One embodiment utilizes nonuniform etching of chemically identical components of a ferrite slider material due solely to random crystal orientation relative to the exposed surface. Another embodiment utilizes a photoresist of a type used in making printed circuit boards, to form a pattern. Subsequently, the surface may be etched to form the anti-striction properties. A variety of controlled and reproducible patterns as well as a controlled depth of pattern may be utilized.

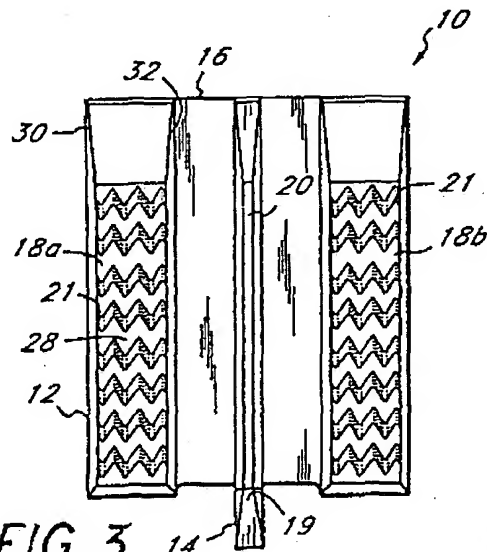


FIG. 3

EP 0 442 660 A3



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## EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 91300989.0
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	US - A - 4 549 238 (ERTINGSHAUSEN et al.) * Fig. 1-3; abstract *	1-3, 5, 9, 10, 14, 15, 18, 19	G 11 B 15/64 G 11 B 17/32 G 11 B 15/62
X	PATENT ABSTRACTS OF JAPAN, unexamined applications, P field, vol. 8, no. 282, December 22, 1984 THE PATENT OFFICE JAPANESE GOVERNMENT page 155 P 323 * No. 59-148 179 (FUJITSU K.K.) *	1-3, 5, 5, 9, 10, 14, 15, 18, 19	
X	PATENT ABSTRACTS OF JAPAN, unexamined applications, E section, vol. 3, no. 47, April 20, 1979 THE PATENT OFFICE JAPANESE GOVERNMENT page 16 E 105 * No. 54-23 517 (NIPPON DENSHIN DENWA KOSHA) *	1-3, 5, 9, 10, 14, 15, 18, 19	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 11 B 15/00 G 11 B 17/00 G 11 B 5/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 04-11-1992	Examiner BERGER
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	